

Notice of Allowability

Application No.

10/600,127

Examiner

Corey M. Broussard

Applicant(s)

HEIRICH ET AL.

Art Unit

2835

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment dated 9/26/2005 and 8/1/2005.
2. ☒ The allowed claim(s) is/are 1,3-5,7-9 and 11-24.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
- ☒ Examiner's Amendment/Comment
- ☒ Examiner's Statement of Reasons for Allowance
- ☐ Other _____

 **ANATOLY VORTMAN**
PRIMARY EXAMINER

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Joseph A Sawyer (Reg # 30,801) on December 15, 2005.

The Examiner corrected the non-compliant drawings submitted August 1, 2005 using the label provided in the drawings submitted September 26, 2005.

2. The application has also been amended as follows: the letter --the-- is added to claim 8 between the words "wherein" and "heatsink" on line 2 of the claim.

Allowable Subject Matter

3. Claims 1, 3-5, 7-9, and 11-24 are allowed.

4. The following is a statement of reasons for the indication of allowable subject matter: The allowability resides in the overall structure of the device as recited in independent apparatus claim 1 and at least in part, because claim 1 recites: "...wherein the circuit board is connected to the module... wherein the connection is provided by at least one spring connector and at least one rigid connector...".

The aforementioned limitations in combination with all remaining limitations of claim 1 are believed to render said claim 1 and all claims dependent therefrom patentable over the art of record.

The closest reference to the present invention is believed to be Ku (PN 6,384,331).

Ku teaches wherein the mounting module is rigidly coupled to the chassis and circuit board, the mounting module for cooling the computer assembly, but did not disclose "...wherein the circuit board is connected to the module... wherein the connection is provided by at least one spring connector and at least one rigid connector...".

5. The allowability resides in the overall structure of the device as recited in independent apparatus claim 9 and at least in part, because claim 9 recites: "...wherein the heatsink assembly ... is also coupled to a processor on a circuit board... at least one spring connector coupled between the heatsink assembly and the circuit board... at least one rigid connector coupled between the heatsink assembly and the circuit board...".

The aforementioned limitations in combination with all remaining limitations of claim 9 are believed to render said claim 9 and all claims dependent therefrom patentable over the art of record.

The closest reference to the present invention is believed to be Ku (PN 6,384,331).

Ku teaches wherein the mounting module is rigidly coupled to the chassis and circuit board, the mounting module for cooling the computer assembly, but did not disclose "...wherein the heatsink assembly ... is also coupled to a processor on a circuit board... at least one spring connector coupled between the heatsink assembly and the circuit board... at least one rigid connector coupled between the heatsink assembly and the circuit board...".

6. The allowability resides in the overall structure of the device as recited in independent apparatus claim 22 and at least in part, because claim 22 recites: "...wherein the circuit board is attached to the heatsink assembly... by at least one spring connector coupled between the heatsink assembly and the circuit board; and... by at least one rigid connector between the heatsink assembly and the circuit board...".

The aforementioned limitations in combination with all remaining limitations of claim 22 are believed to render said claim 22 and all claims dependent therefrom patentable over the art of record.

The closest reference to the present invention is believed to be Ku (PN 6,384,331).

Ku teaches wherein the mounting module is rigidly coupled to the chassis and circuit board, the mounting module for cooling the computer assembly, but did not disclose "...wherein the heatsink assembly ... is also coupled to a processor on a circuit board... at least one spring connector coupled between the heatsink assembly and the circuit board... at least one rigid connector coupled between the heatsink assembly and the circuit board...".

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Corey M. Broussard whose telephone number is 571 272 2799. The examiner can normally be reached on 7:30-5 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Feild can be reached on 571 272 2092. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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**ANATOLY VORTMAN
PRIMARY EXAMINER**